

LOUISIANA TECH UNIVERSITY

INVITATION TO BID ONLY



BIDDER MUST FILL IN COMPANY NAME
AND COMPLETE ADDRESS (PRINTED OR TYPED)

RETURN THIS FORM TO:

PURCHASING OFFICE
P.O. Box 3157
408 Keeny Hall
College Drive
RUSTON, LA 71272

Phone: 318-257-4205
Fax: 318-257-3772

Company Quote
if applicable

PHONE:
FAX:
EMAIL:

FAILURE TO SIGN WILL DISQUALIFY BID

BID OPENING:

2:00 PM Dec. 1, 2009

BID NUMBER:

50012-129-10

DEPARTMENT

Micromanufacturing

**PRICE MUST BE FIRM FOR AT
LEAST 30 DAYS FROM OPENING
DATE**

DELIVERY IN **DAYS**

TERMS

**BIDDER AGREES TO COMPLY
WITH ALL CONDITIONS
BELOW AND ATTACHED TO
THIS REQUEST.**

Prices are to be
complete and the FOB
point to be Louisiana
Tech University unless
otherwise specified.

Typed or Printed Name

Authorized Signature/Title

TO BE BID

Sealed bid request for a Research-Grade
Optical Microscope.

Bid specifications attached.

Inquiries to be directed to Guanasekaran/Wallace
@ 318-257-5100.

IMPORTANT: If bidding other than requested brand and product number (or style), enclose sufficient literature to determine compliance with specification. Failure to comply with this request may eliminate your bid from consideration. Any manufacturer's names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references or not intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.

Bid for a Research-grade Advanced Optical Microscope

Louisiana Tech University requests sealed bids for a research-grade optical microscope with a fine-set of optics, and a motorized stage for measurement application. The microscope must have the following features, elements and capabilities.

1. The microscope shall be suitable for both transmitted light and reflected light illumination and imaging. Microscope must have appropriated light sources, controls, and accessories including power supply, power cord, filter cassette, etc.
2. Microscope must be usable in reflected DIC mode.
3. Trinocular observation tube with 25mm FOV, and viewing percentages of 100%/50%/0%. This includes the mounting frame for tube top, and camera port.
4. Microscope must have transmitted light stop module for switching reflected/transmitted light, keys for automatic illumination manager, including motorized aperture diaphragm and field diaphragm, motorized intensity control, motorized shutter LCSD display. Automatic constant color intensity control, preconfigured buttons or functions for different operation modes will be preferred.
5. Power supply (12 V/50W or 100W), serial cable RS232C for PC connection, mains connection 100-240 V, 50/60 HZ, manual, software CD-DM control, sticker for 6 keys, must be standard.
6. A 6-fold revolving nosepiece for housing 6 objectives, including incident light axis with motorized aperture and field diaphragm discs with motorized 4-fold turret for reflector and fluorescence cubes including 2 positions for fixed mounting of reflectors BF fixed, DF, and 2 additional freely adaptable positions. If "p to smith" optical element is available, it can be quoted as an option.
7. A coded magnification changer for industrial applications with mechanical 3-fold turret including 1x, 1.5x, and 2x magnification changer must be included.
8. Appropriate enclosure for stand top such as, cover 4/5 fold or equivalent must be included.
9. Ground plate with filter magazine must be provided.
10. Daylight filter 32mm, and a neutral density (ND) grey filter N16, 32mm must be included.
11. Centered lamp housing for transmitted light must be included.
12. 50W or 100W halogen lamp or equivalent must be there.
13. External power supply for 12V/100W for simultaneous incident and transmitted light illumination operation must be provided.
14. Slot for DIC prism and compensation sliders, manual DIC, must be standard.
15. Microscope must have an integrated motorized stage with controller, X-Y joystick, etc.
16. Stage must be able to accommodate 4" wafers and serve as single slide holder, recessed for 1 x 3 inch glass slides.
17. Metallurgical sample holder (1.25" and 2.0" each)
18. C-mount adapter 0.70x HC
19. HC plan 10x/22 mm adjustable eyepiece to accept 26mm reticle.
20. One extra eyepiece (3rd eyepiece) of the same type with reticle must be supplied.
21. Condenser CL/PH 0.90 dry condenser top or better.

22. Condenser lens CL/LS
23. Lamp housing 106, 12v 100W, 2 lens, 0.55m
24. Filter slider for IL axis
25. Daylight blue filter for IL slider 25mm for both reflected and transmitted light work.
26. Analyzer L IC/P, must be 180° rotatable.
27. Polarizer R/P, L 29x11.5 for reflected light work.
28. Polarizer L ICT/P for transmitted light work.
29. A smith cube with appropriate polarizer should be an integral part of the microscope.
30. Microscope must have fixed reflectors for both BF and DF.
31. Microscope must have the ability to provide Kohler illumination.
32. Objectives: HC PL FL 10x/0.30 BD, /D1; HCX PL FL 20x/0.50BD, /D1; HC PL FL 50x/0.80 BD, /D; HCX PL FL 100x/0.90 BD, /D or equivalent or better. A good 5x objective for survey must also be included. Any limitation of this 5x objective, in terms of operation in DF, DIC must be specified.
33. Any unused objective position in the revolving nose piece must be blanked with appropriate fitting to avoid dust.
34. Objective prism sliders such as, D, and D1, for different magnification objectives in DIC.
35. Dust cover for microscope with camera
36. Microscope and adopter mount must be compatible with Leica DFC 490 camera.
37. Installation of the microscope and training must be provided by the vendor.
38. User manual must be provided.

*****PLEASE DO NOT RETURN THIS PAGE*****

ITEMS BELOW APPLY TO AND BECOME A PART OF TERMS AND CONDITIONS OF QUOTATION
ANY EXCEPTIONS THERETO MUST BE IN WRITING

REQUIREMENTS AND INSTRUCTIONS

For Request for Quotation \$25,000 or less you may FAX your quote to (318) 257-3772 or you can MAIL or DELIVER your quote to Louisiana Tech University, Purchasing Department, PO Box 3157, 408 Keeny Hall, College Street, Ruston, LA 71272. Bids over \$25,000 must be submitted in a sealed envelope with the bid number and the date due conspicuously posted on the front of the envelope.

Bids signed in ink should be submitted on this form.

Prices are to be complete and the FOB point to be Louisiana Tech University unless otherwise specified.

Prices must be firm for at least 30 days from bid opening date.

Terms will be considered Net 30 unless otherwise specified.

Bids cannot be altered or amended after opening. Any alterations made before bid opening should be initialed by vendor.

Louisiana Tech University reserves the right to accept quotes after this date if it is determined to be in the best interest of the state.

If bidder takes no exception he will be required to furnish product as specified in the ITB. All items shall be new and in first class condition unless otherwise stated in ITB. Oral agreements will not be recognized.

REJECTION OF BIDS

Louisiana Tech University reserves the right to reject any or all bids and to waive all informalities.

AWARDS

Awards will be made to the lowest responsible and responsive bidder, taking into consideration the quality of the products to be supplied, their conformity with the specifications, the purpose for which they are required, and the time of delivery. Discounts for less than 30 days will not be considered for award purposes. Unless otherwise specified, the University reserves the right to award by individual items, related items, or total, whichever it deems in its best interest.

LOUISIANA PREFERENCE

A preference will be given to materials, supplies, and provisions produced, manufactured, grown, or harvested in Louisiana, quality being equal to articles offered by competitors outside the State. It will be the bidder's responsibility to indicate on his bid response which items qualify.

ACCEPTANCE

Only the issuance of a purchase order or a signed contract constitutes acceptance by the University.

TAXES

In accordance with Act 1029 of the 1991 Legislative regular session, Louisiana Tech and all other state agencies are exempt from state sales and use tax.

DELIVERY

Quote should show number of days required to place material in Central Receiving at Louisiana Tech. Failure to state delivery time obligates bidder to complete delivery in 14 calendar days. Default in promised delivery or failure to meet specifications may result in cancellation of order. The defaulting vendor may be responsible for any additional cost in reissuing the order (RS39:1661(c)). No substitutions or cancellations permitted without approval from Purchasing. Delivery should be made between 7:30am to 4:00pm week days. PURCHASE ORDER NUMBER MUST APPEAR ON ALL BOXES AND SHIPPING SLIPS. Goods may be returned if not identified.

INSPECTION AND ACCEPTANCE

Each item upon delivery will be inspected by Louisiana Tech. Acceptance will be made after inspection determines that all requirements of the specifications are met and the goods are in acceptable condition.

PAYMENT

Invoices for items shall be submitted in duplicate to the Comptroller's Office, Box 7924, Ruston, LA 71272. Items must be invoiced with quantity, unit, and price indicated on purchase order. PURCHASE ORDER NUMBER MUST APPEAR ON EACH INVOICE.

NOTE TO BIDDER: Any terms and conditions attached to a bid will not be considered unless the bidder specifically references them on the front of this bid form. The laws of the State of Louisiana must prevail on all bids.

Abstracts of bids are not furnished, but are kept on file in the Purchasing Office for inspection by any citizen.